

FIG. 1

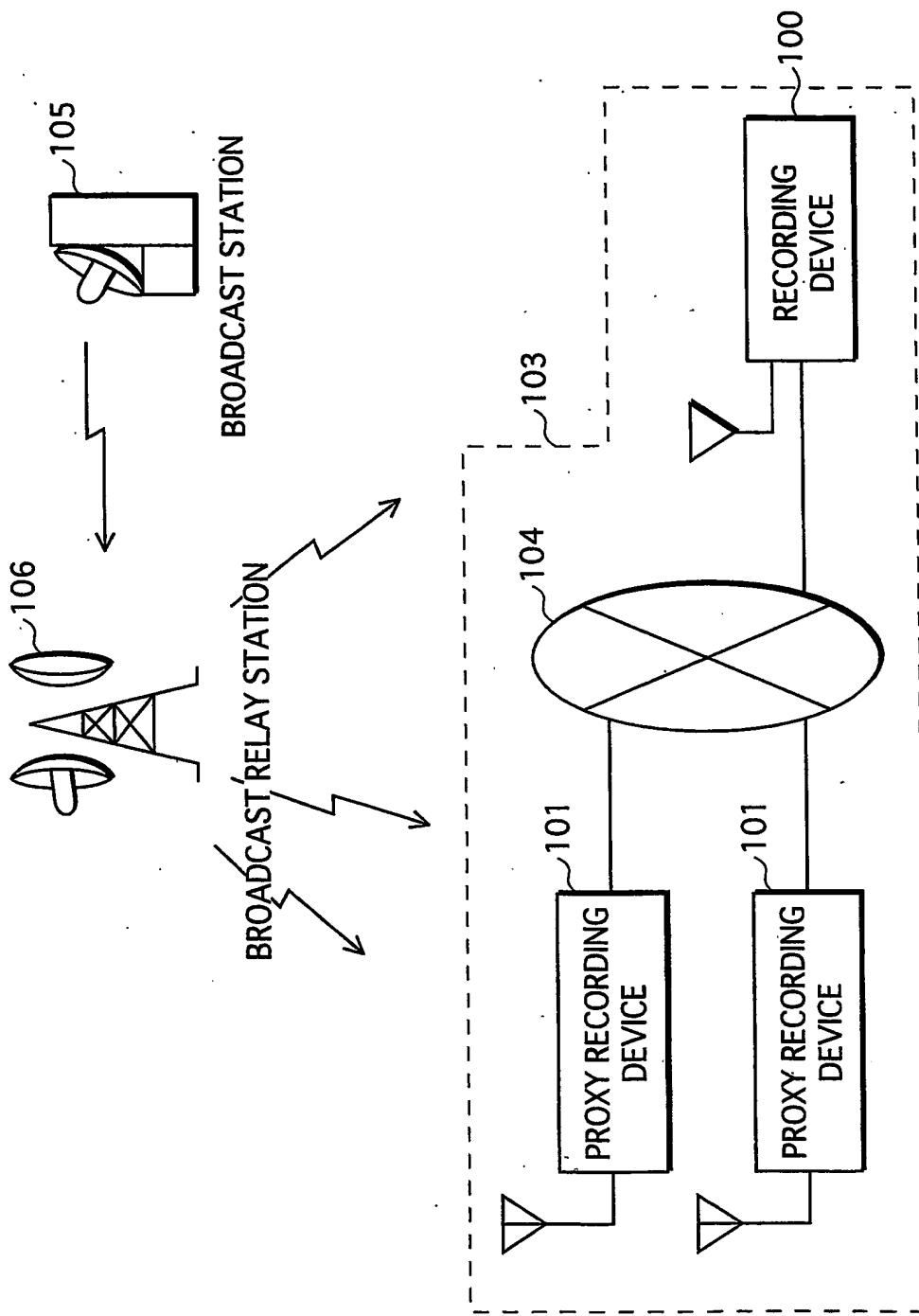
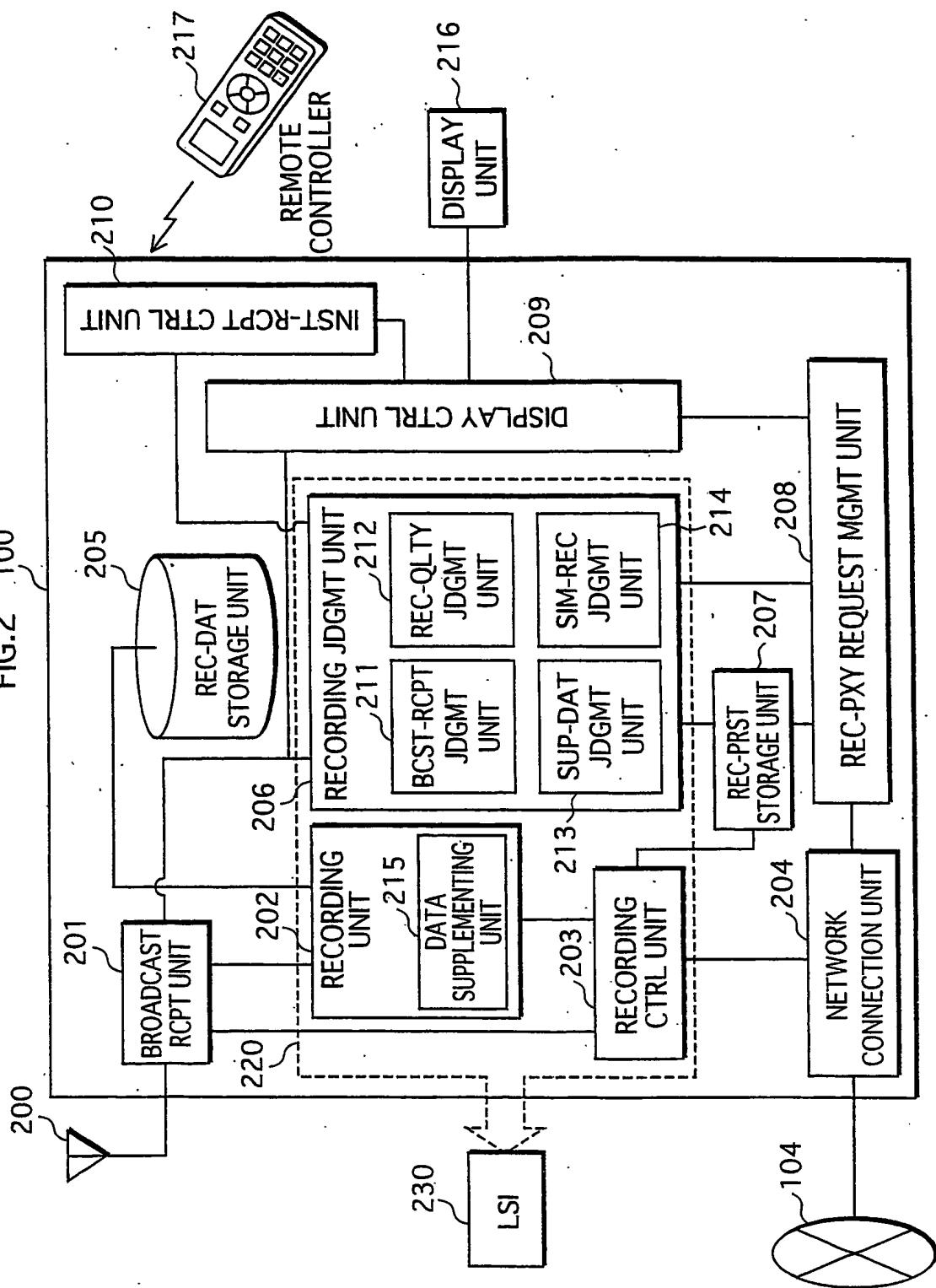


FIG. 2. 100



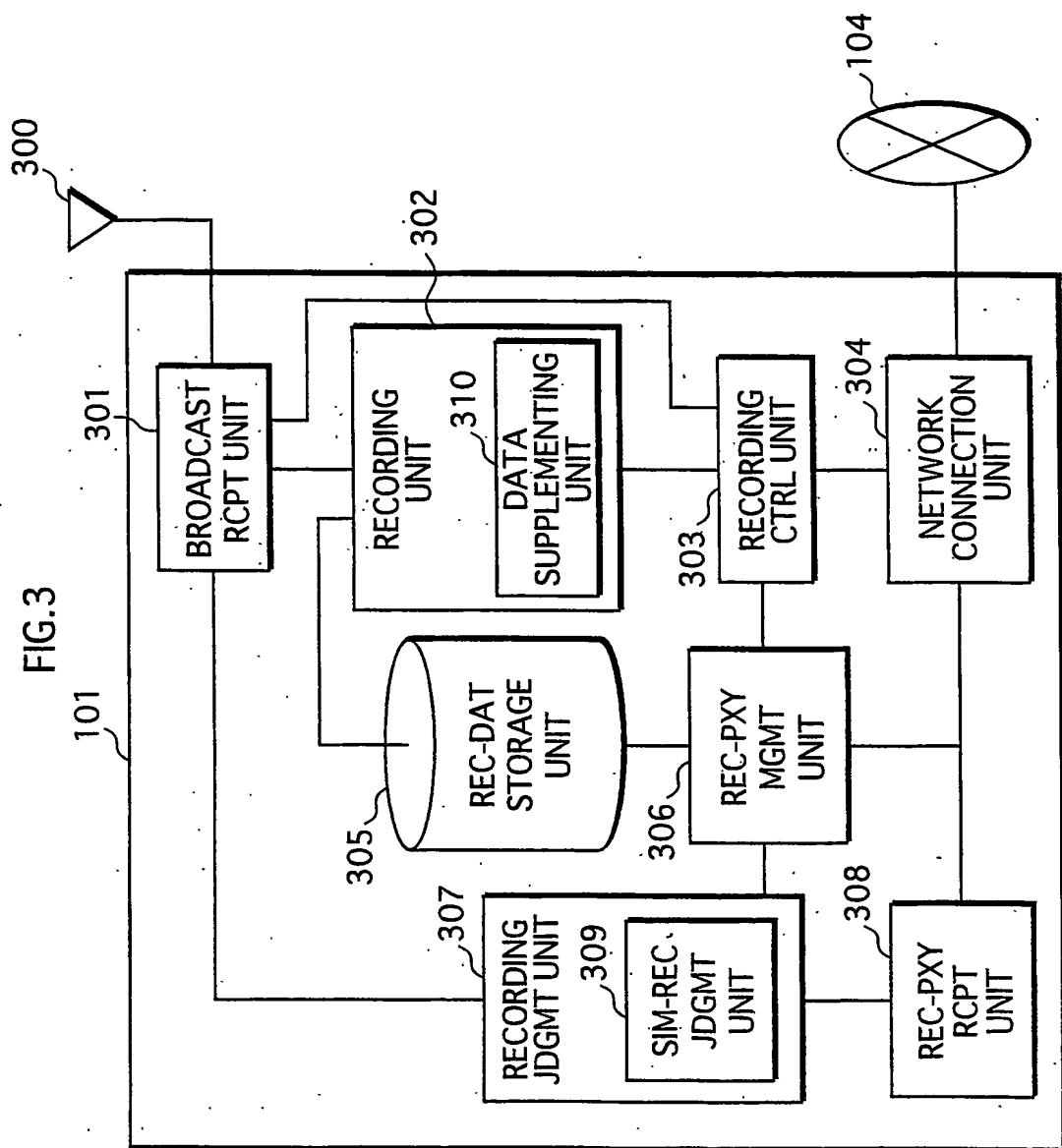


FIG.4

400 PROGRAM TABLE		401	402	403	404
PROGRAM ID	GLOBAL CH. ID	START DATE-TIME	END DATE-TIME		
:	:	:	:	:	
021230047012000	04701	2002/12/30 20:00	2002/12/30 20:53		
021230047012053	04701	2002/12/30 20:53	2002/12/30 21:00		
:	:	:	:	:	
021230089022000	08902	2002/12/30 20:00	2002/12/30 20:53		
021230089022053	08902	2002/12/30 20:53	2002/12/30 21:00		
021230089042000	08904	2002/12/30 20:00	2002/12/30 20:30		
:	:	:	:	:	

FIG.5

500 CHANNEL INFORMATION TABLE

501		502		503		504	
RECEIVABLE CH. REGION ID 47 (YOKOHAMA/KAWASAKI)	GLOBAL CH. ID	RECEIVABLE CH. REGION ID 89 (OSAKA)	GLOBAL CH. ID	RECEIVABLE CH. REGION ID 89 (OSAKA)	GLOBAL CH. ID	RECEIVABLE CH. REGION ID 89 (OSAKA)	GLOBAL CH. ID
1	04701	2	08902	10	08910	12	08912
3	04702	4	08904	19	08919	34	08934
4	04703	6	08906				
6	04706	8	08908				
8	04708						
10	04710						
12	04712						
42	04742						
46	04746			36	08936		

FIG.6

600 RECORDING CAPABILITY TABLE

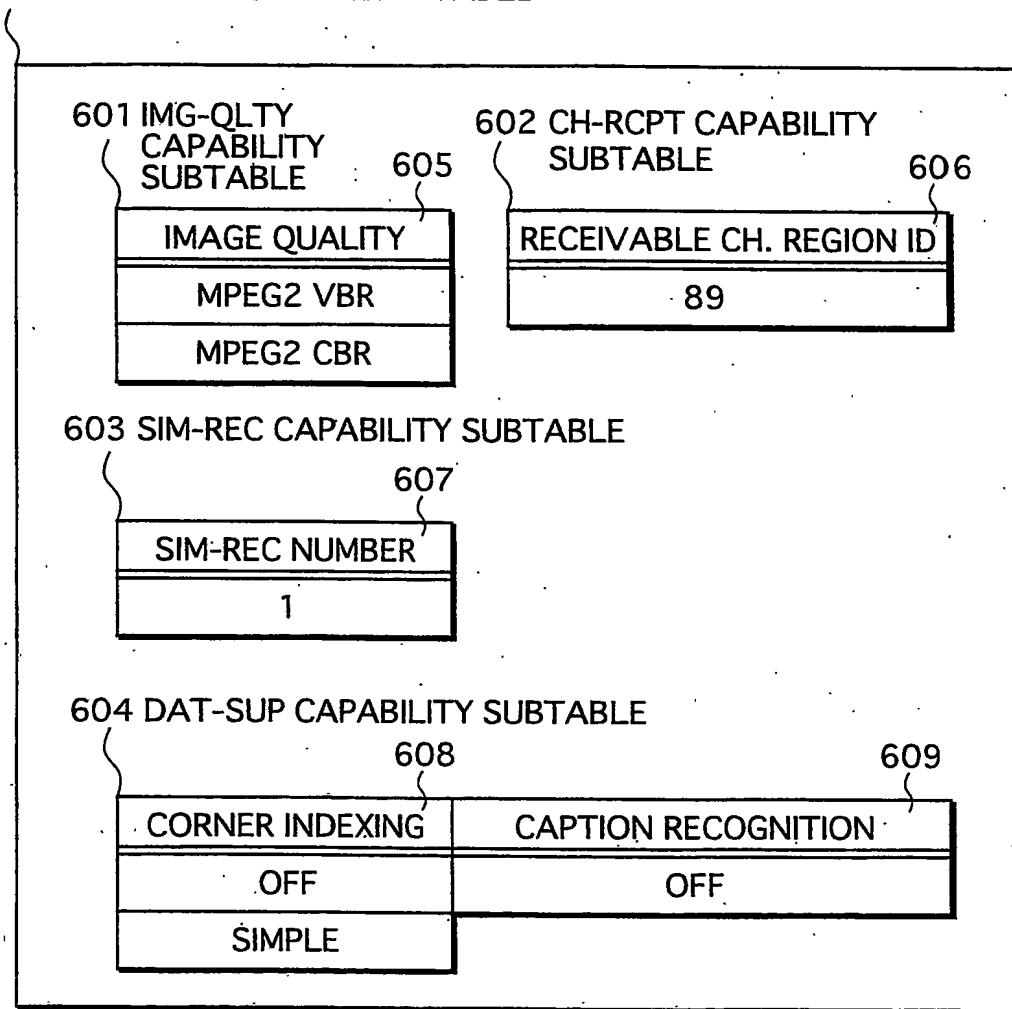


FIG.7

700 CRN-INDX CLASS. MASTER TABLE

ID	CORNER INDEXING
1	OFF
2	SIMPLE
3	ADVANCED
:	:

FIG.8

800 CPT-RECOG CLASS. MASTER TABLE

ID	CAPTION RECOGNITION
1	OFF
2	SIMPLE
3	ADVANCED
:	:

FIG.9

900 IMG-QLTY CLASS. MASTER TABLE

ID	IMAGE QUALITY
1	MPEG2 VBR
2	MPEG2 CBR
3	MPEG4
4	MPEG4 AVC
5	MPEG2 VBR(HQ)
:	:

FIG.10

1000 REC-PXY CAPABILITY LIST

PXY-REC DEVICE ID:22360679	
1001	1002
IMAGE QUALITY	RECEIVABLE CH. REGION ID
MPEG2 VBR	06
MPEG2 CBR	26
MPEG4	30
MPEG4 AVC	
SIM-REC NUMBER	
20	
CORNER INDEXING	CAPTION RECOGNITION
OFF	OFF
SIMPLE	SIMPLE
PXY-REC DEVICE ID:01200121	
1003	1004
IMAGE QUALITY	RECEIVABLE CH. REGION ID
MPEG2 VBR	01
MPEG3 VBR(HQ)	02
MPEG2 CBR	03
MPEG4	04
MPEG4 AVC	07
SIM-REC NUMBER	
12	
CORNER INDEXING	CAPTION RECOGNITION
OFF	OFF
SIMPLE	SIMPLE
ADVANCED	ADVANCED

FIG. 11

1100 RECORD PRESETTING CONTENT

1101 1102 1103 1104

PROGRAM ID	IMAGE	CORNER INDEXING	SUPPLEMENTARY DATA
	QUALITY		CAPTION RECOGNITION
021230089022000	MPEG2 CBR	SIMPLE	OFF

FIG. 12

1200 RECORD PRESETTING LIST					
PROGRAM ID	IMAGE QUALITY	1204			
		1201	1202	1203	SUPPLEMENTARY DATA
021230089022000	MPEG2 CBR	;	;	;	CORNER INDEXING
021230089022053	MPEG4	;	;	;	CAPTION RECOGNITION
;	;	;	;	;	;

FIG. 13

1300 REC-PXY REQUEST ACCEPTANCE LIST		PXY-REC DEVICE ID	IMAGE QUALITY	SUPPLEMENTARY DATA	
PROGRAM ID	PXY-MGMT ID			CORNER INDEXING	CAPTION RECOGNITION
021230047012000	0987654321ab	22360679	MPEG2 CBR	ADVANCED	OFF
021230047012053	0987654321ad	01200121	MPEG4	OFF	SIMPLE
:	:	:	:	:	:

FIG. 14

1400 RECORDING DATA ACQUISITION LIST		1401		1402		1403		1404		1405		1406	
PROGRAM ID	PXY-MGMT ID	PXY-REC DEVICE ID		IMAGE QUALITY		CORNER INDEXING		SUPPLEMENTARY DATA		CAPTION RECOGNITION			
021230047012000	0987654321ab	223360679		MPEG2_CBR		ADVANCED		OFF					
		:		:		:		:					

FIG.15

1500 RECORDING PROXY CAPABILITY TABLE

1501 IMG-QLTY CAPABILITY SUBTABLE

IMAGE QUALITY
MPEG2 VBR
MPEG2 CBR
MPEG4
MPEG4 AVC

1502 CH-RCPT CAPABILITY SUBTABLE

RECEIVABLE CH. REGION ID
06
26
30

1503 SIM-REC CAPABILITY SUBTABLE

SIM-REC NUMBER
20

1504 DAT-SUP CAPABILITY SUBTABLE

CORNER INDEXING	CAPTION RECOGNITION
OFF	OFF
SIMPLE	SIMPLE

FIG.16

1600 RECORDING-PROXY REQUEST MANAGEMENT TABLE

PXY-MGMT ID	PXY-REC DEVICE ID	PROGRAM ID	IMAGE QUALITY	SUPPLEMENTARY DATA	
				CORNER INDEXING	CAPTION RECOGNITION
0987654321ab	012345678	021230089062000	MPEG2 CBR	SIMPLE	OFF
0987654321ac	173205081	021226047011700	MPEG4	SIMPLE	OFF
0987654321ad	314159265	021231089062123	MPEG2 VBR	ADVANCED	ADVANCED
:	:	:	:	:	:

FIG.17

1703 USER MANAGEMENT TABLE		1700		1701		1702	
		USAGE-AGREEMENT CONTENT		PXY-HIST INFO.			
PXY-REC DEVICE ID	COURSE	LIMIT	COUNT	TIME	DATA VOL.		
:	:	:	:	:	:	:	
012345678	DATA VOL. LIMIT	20Gb	4	2 HR 45 MIN	1.8G		
173205081	USAGE-COUNT LIMIT	30 TIMES	6	5 HR 40 MIN	6Gb		
:	:	:	:	:	:	:	

FIG. 18

800 USAGE-AGREEMENT MASTER TABLE		
1801		
1802		
COURSE	LIMIT	COURSE CONTENT
FLAT RATE	NONE	UNLIMITED USAGE
TIME LIMIT	10 HRS 20 HRS 30 HRS	USAGE POSS. UP TO TIME LIMIT
USAGE-COUNT LIMIT	10 TIMES 20 TIMES 30 TIMES	USAGE POSS. UP TO COUNT LIMIT
DATA VOL. LIMIT	10Gb 20Gb 30Gb	USAGE POSS. UP TO DATA VOL. LIMIT
PAY-BY-USAGE	NONE	PAY BY NO. OF USAGES
PAY-BY-TIME	NONE	PAY BY TIME PERIOD USED
PAY-BY-VOLUME	NONE	PAY BY VOL. OF RECORDED DATA

FIG.19

1900 RECORDING DATA MANAGEMENT TABLE

REC-DAT MGMT NAME	PROGRAM ID	IMAGE QUALITY	SUPPLEMENTARY DATA		STORAGE ADDRESS
			CORNER INDEXING	CAPTION RECOGNITION	
021230089062000_M2v_CO_T0.mpg	021230089062000	MPEG2 VBR	ADVANCED	OFF	xxx.yyy.zzz/RecDATA/...
021230089062123_M2v_CO_T2.mpg	021230089062123	MPEG2 VBR	OFF	ADVANCED	xxx.yyy.zzz/RecDATA/...
:	:	:	:	:	:

FIG.20

2000 RECORDING DATA ACQUISITION LIST			
2001	2002	2003	
REC-DAT MGMT NAME	PXY-MGMT ID	PXY-REC DEVICE ID	
021230089062000_M2v_C2_T0.mpg	0987654321ab	012345678	
021230089062123_M2v_C0_T0.mpg	0987654321ad	314159265	
⋮	⋮	⋮	⋮

FIG. 21

2100

CH.6:OSAKA BROADCASTING	8 O'CLOCK NEWS	9 O'CLOCK NEWS	TUESDAY NIGHT LIVE
8 PM	8 O'CLOCK NEWS	9 O'CLOCK NEWS	TUESDAY NIGHT LIVE
8 PM	8 O'CLOCK NEWS	9 O'CLOCK NEWS	TUESDAY NIGHT LIVE
8 PM	8 O'CLOCK NEWS	9 O'CLOCK NEWS	TUESDAY NIGHT LIVE

2101

CH6: OSAKA BROADCASTING	2101
8 O'CLOCK NEWS	
8 PM	
9 O'CLOCK NEWS	
9 PM	
TUESDAY NIGHT LIVE	
21 PM	

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2103

2103		PRESET	IMAGE QUALITY	CORNER INDEXING	CAPTION	OFF	SIMPLE	ADVANCED
CH 6: OSAKA BROADCASTING	8 O'CLOCK NEWS	8 O'CLOCK NEWS	9 O'CLOCK NEWS	9 O'CLOCK NEWS	TUESDAY NIGHT LIVE	REGS	REGS	REGS
8	• • •	8	• • •	9	• • •	21	• • •	21
PM		PM		PM		PM		PM

2102

2102		CH.6: OSAKA BROADCASTING	
		8 0'CLOCK NEWS	PRESET
8	..	9 0'CLOCK NEWS	IMAGE QUALITY
PM		21	CORNER
		PM	OFF
			INP
			SIMPLE
			RECOGN
			ADVANCED

2104

8 0'CLOCK NEWS		2104
8	...	PRESET
PM	...	IMAGE QUALITY
9 0'CLOCK NEWS	...	MPEG4
21	...	ADVANCED
PM	TUESDAY NIGHT LI	CAPTION
	...	RECOGNITION
	...	OFF

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FIG.22

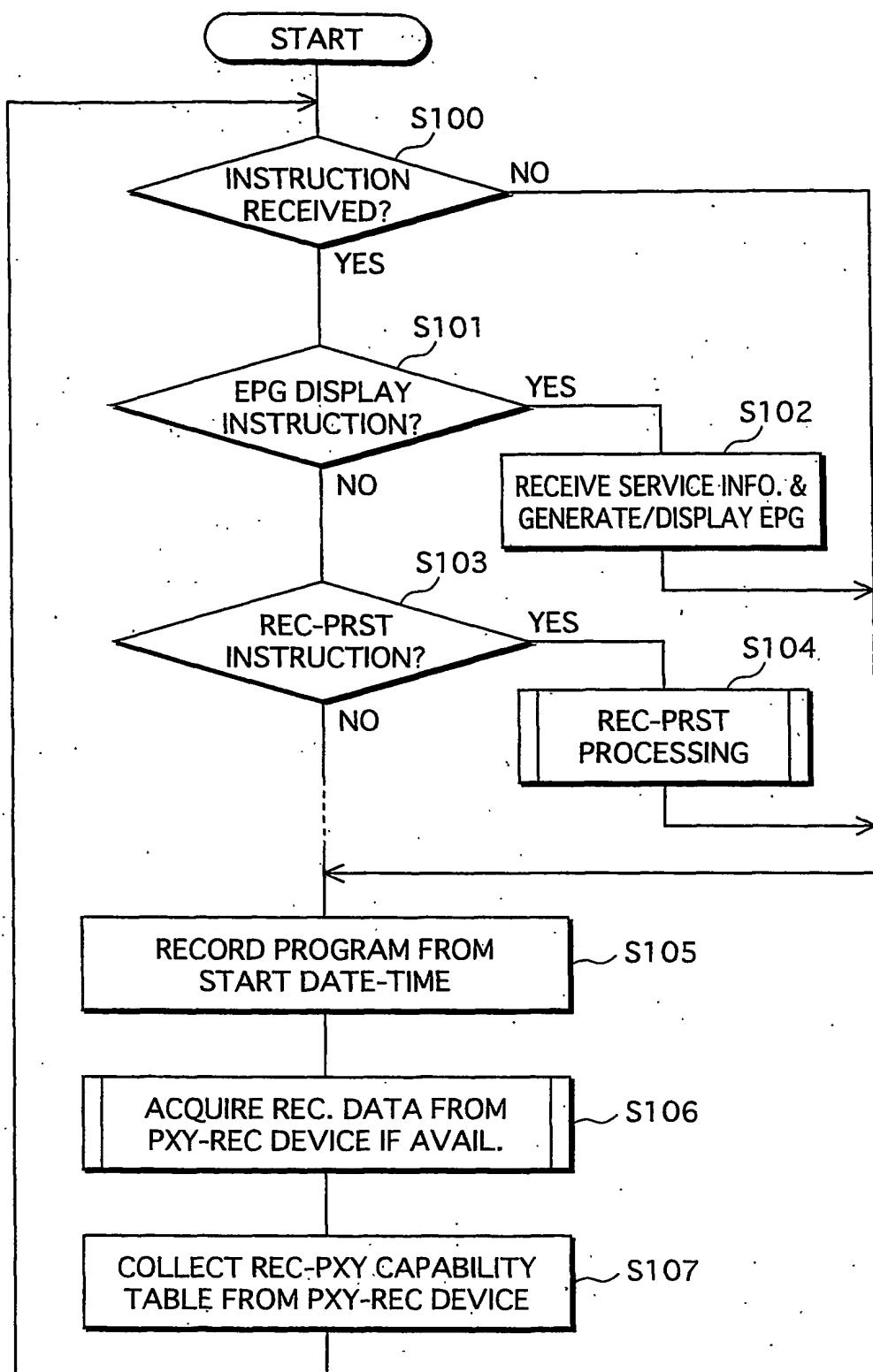


FIG.23

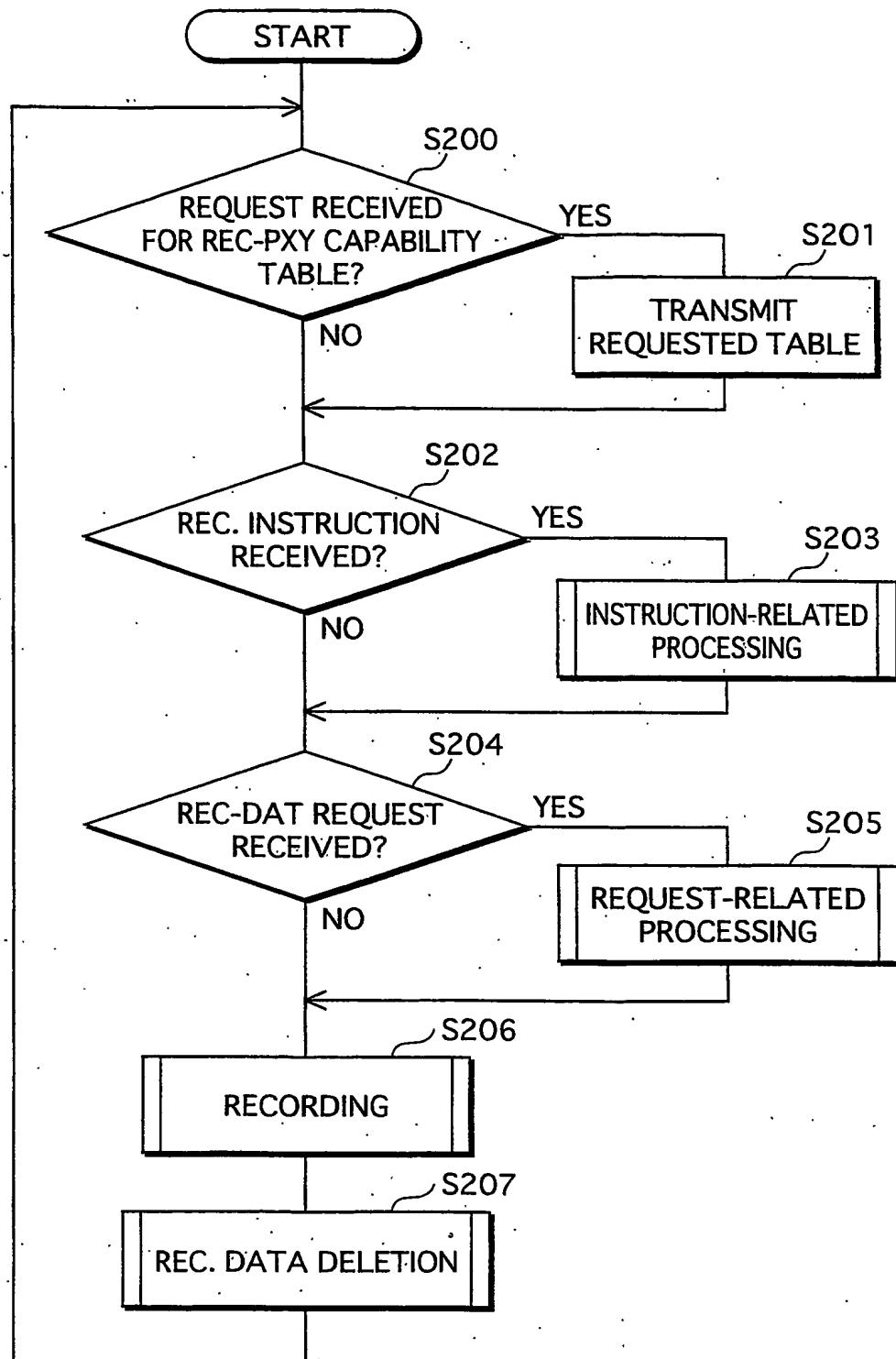


FIG.24

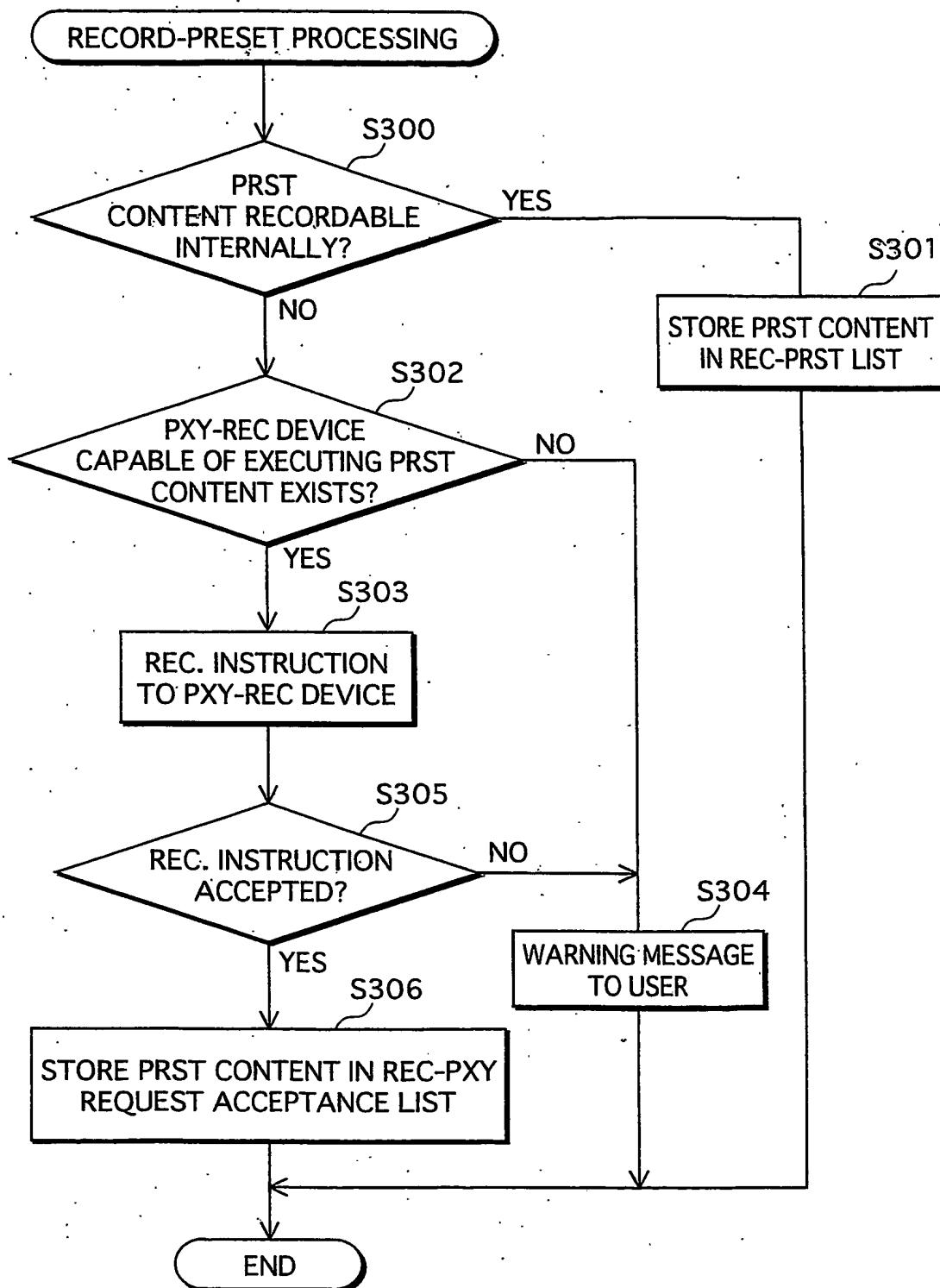


FIG.25

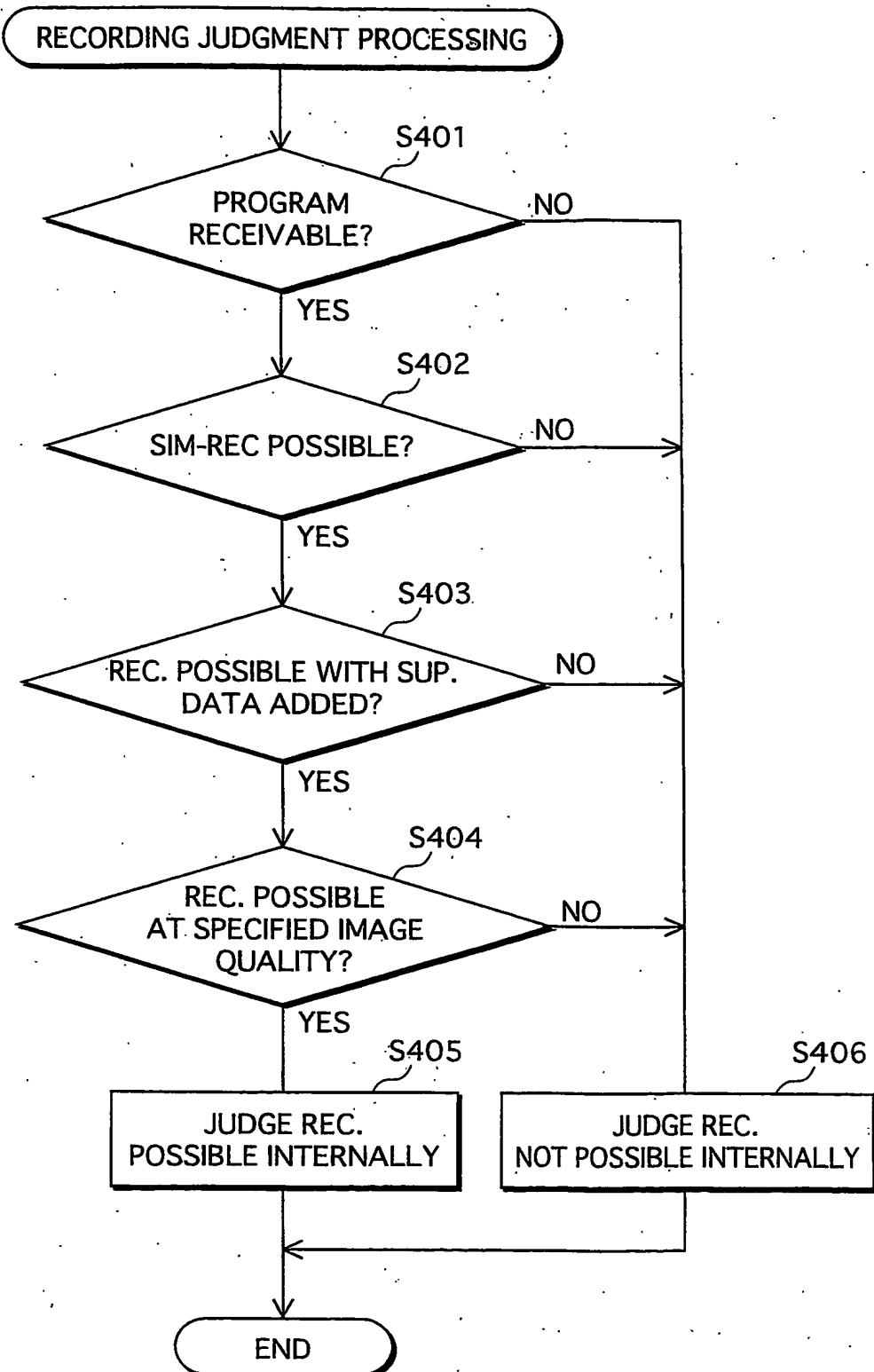


FIG.26

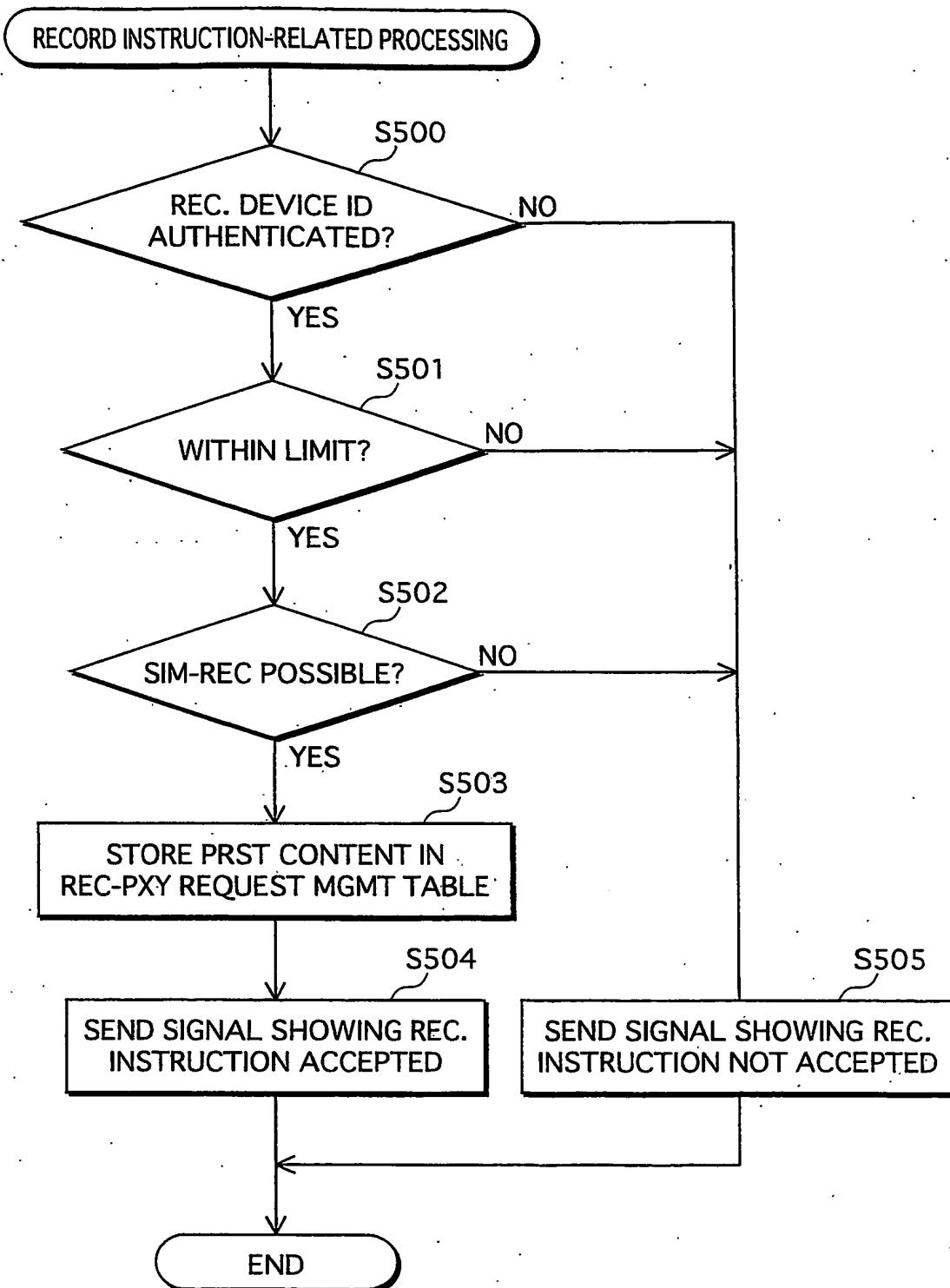
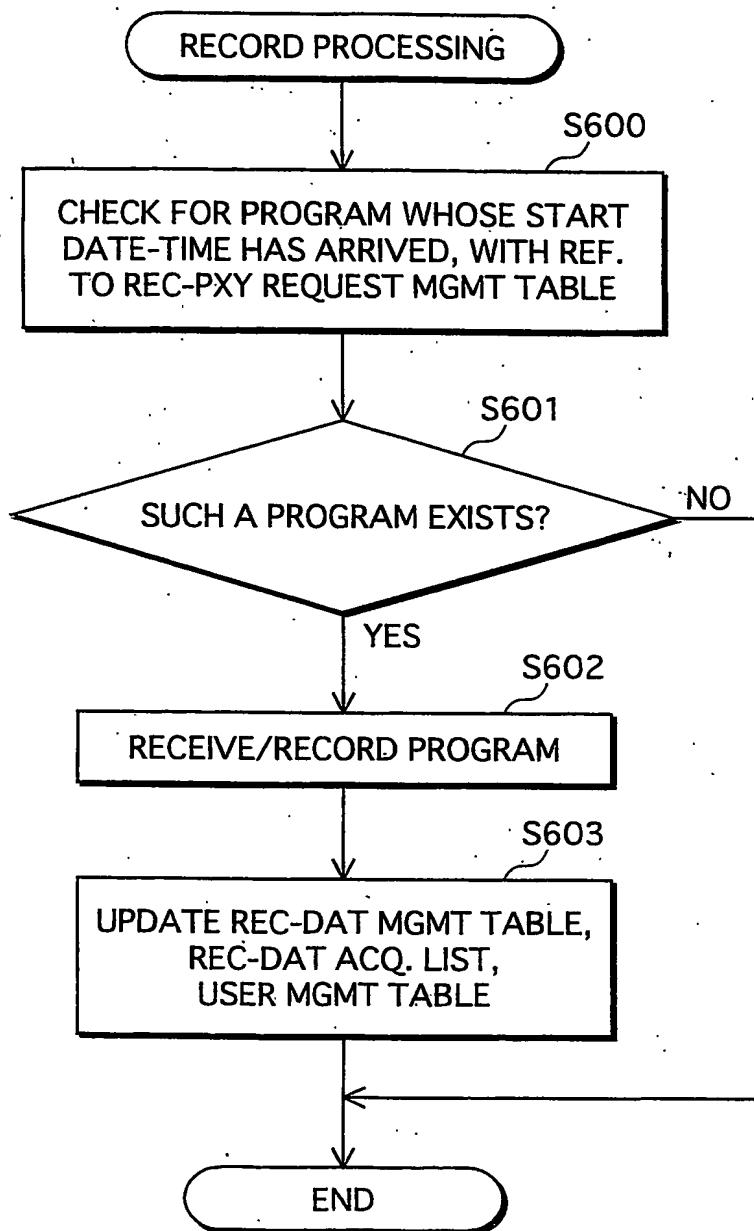


FIG.27



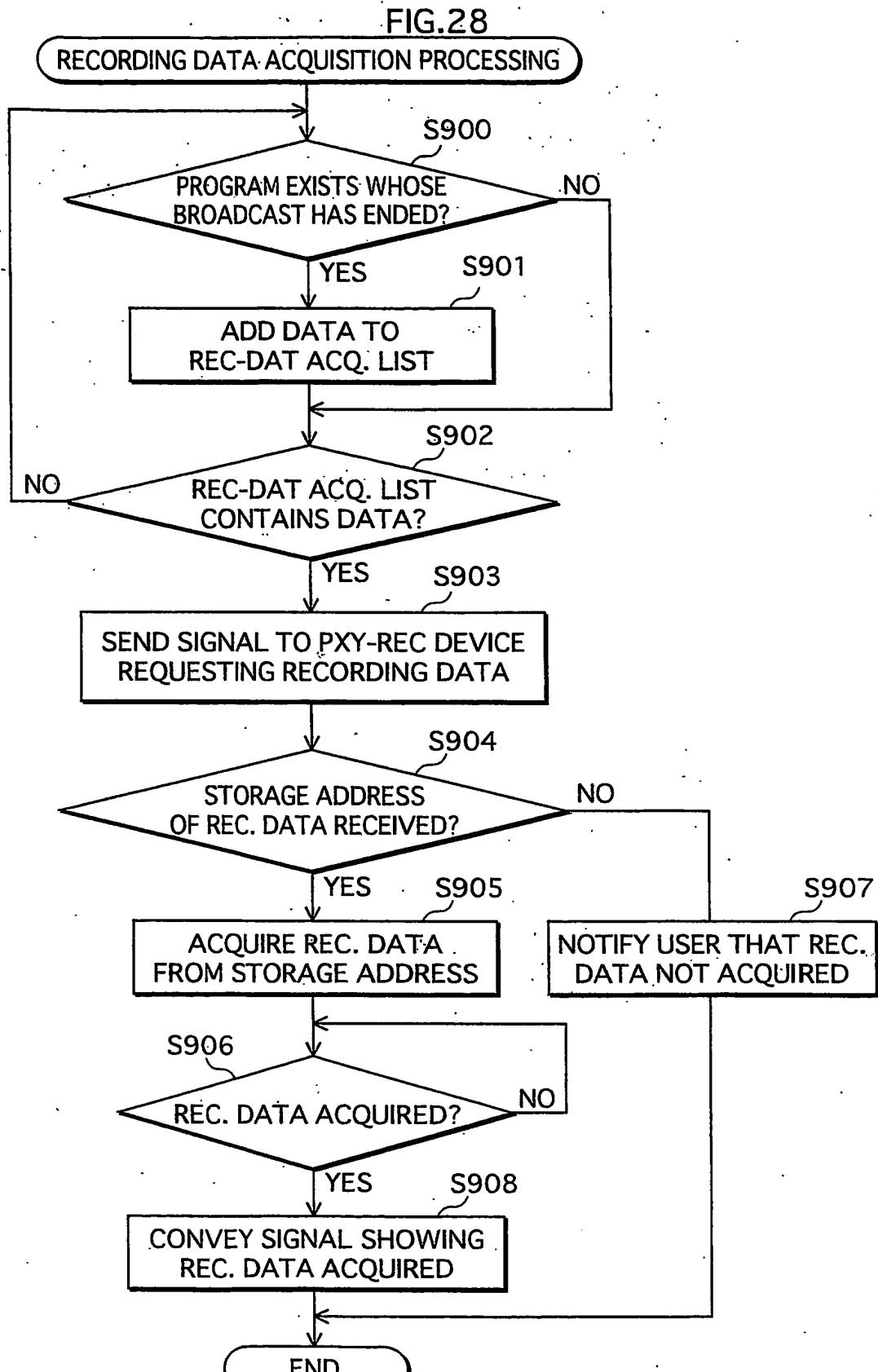


FIG.29

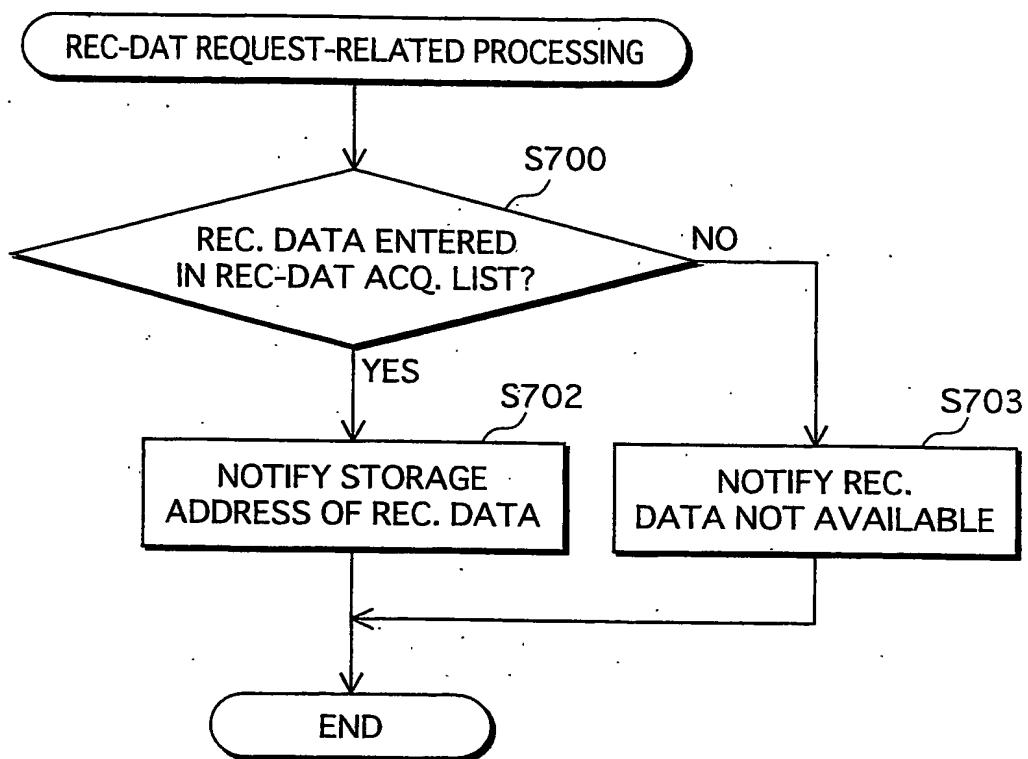


FIG.30

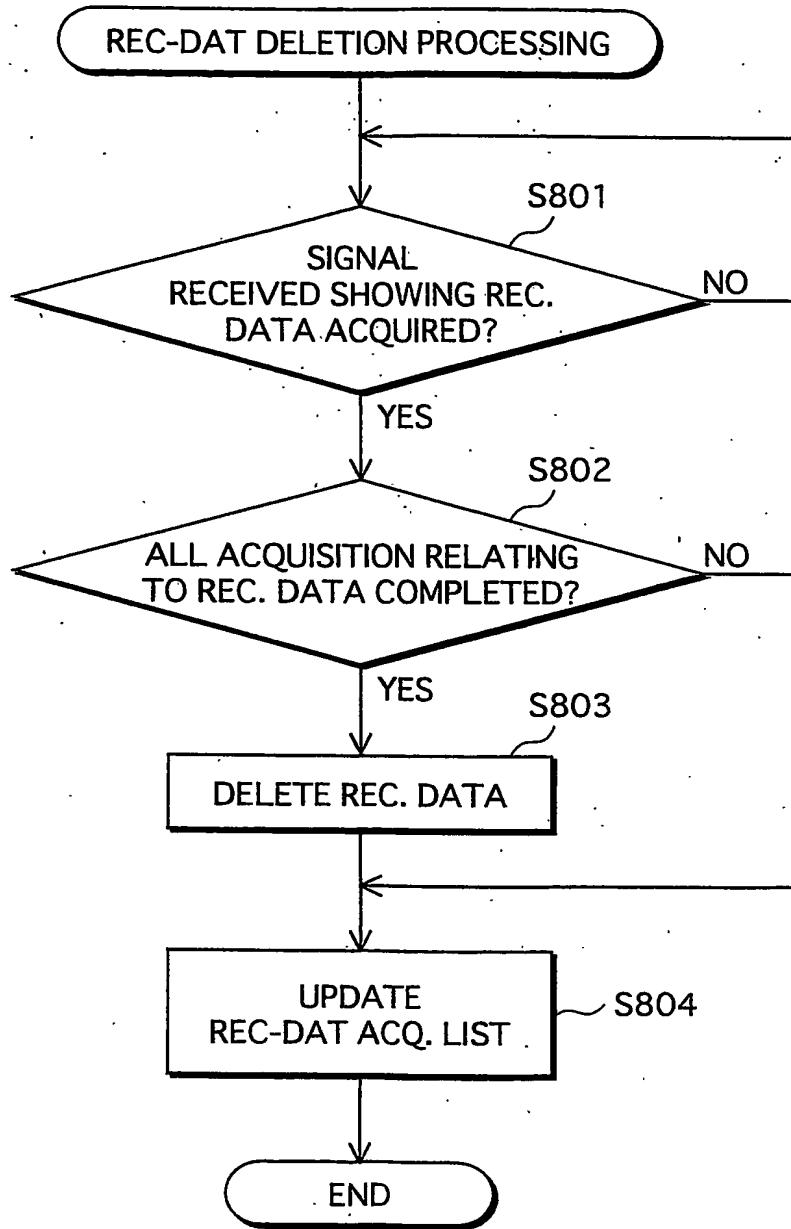


FIG.31

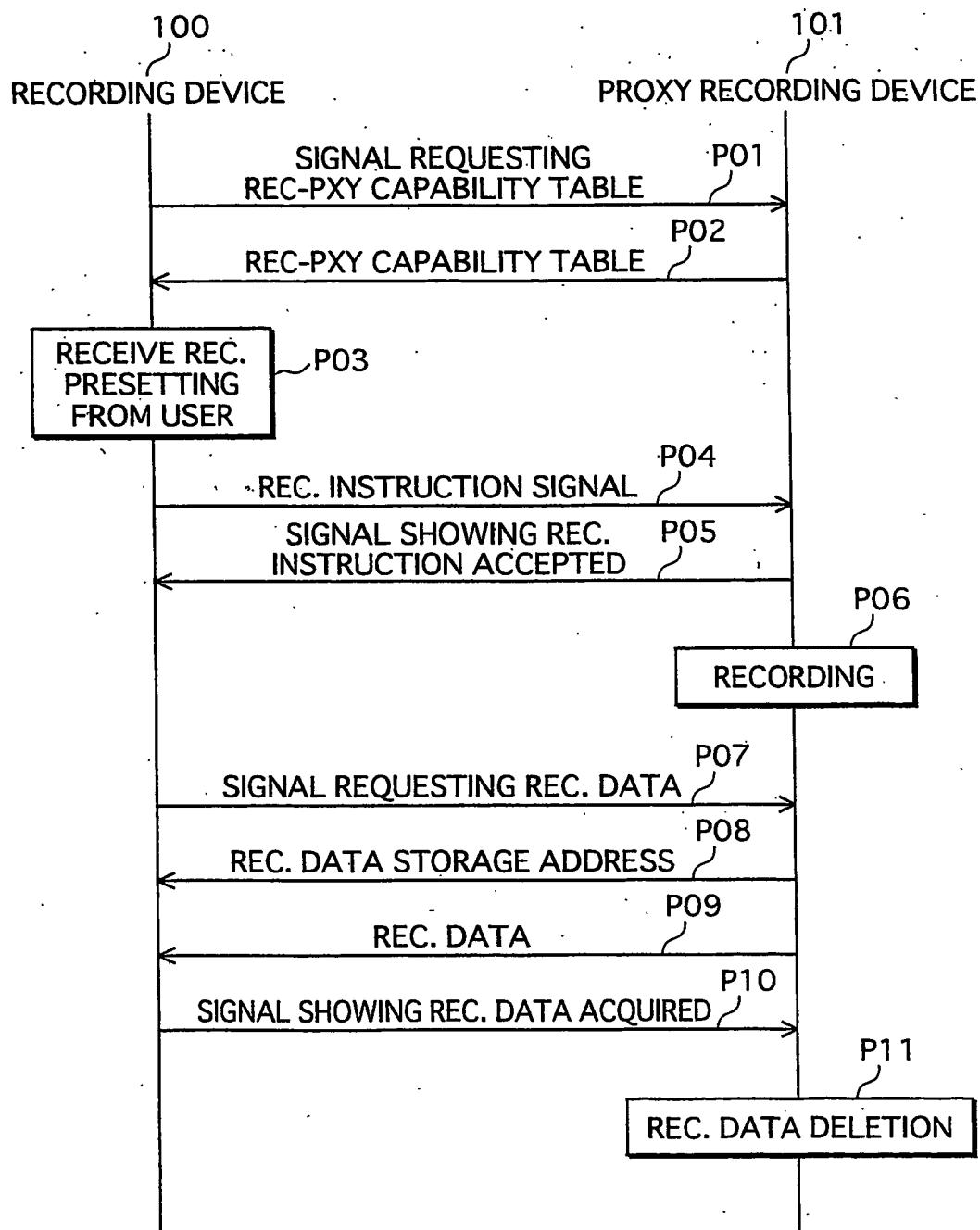


FIG. 32
,3200

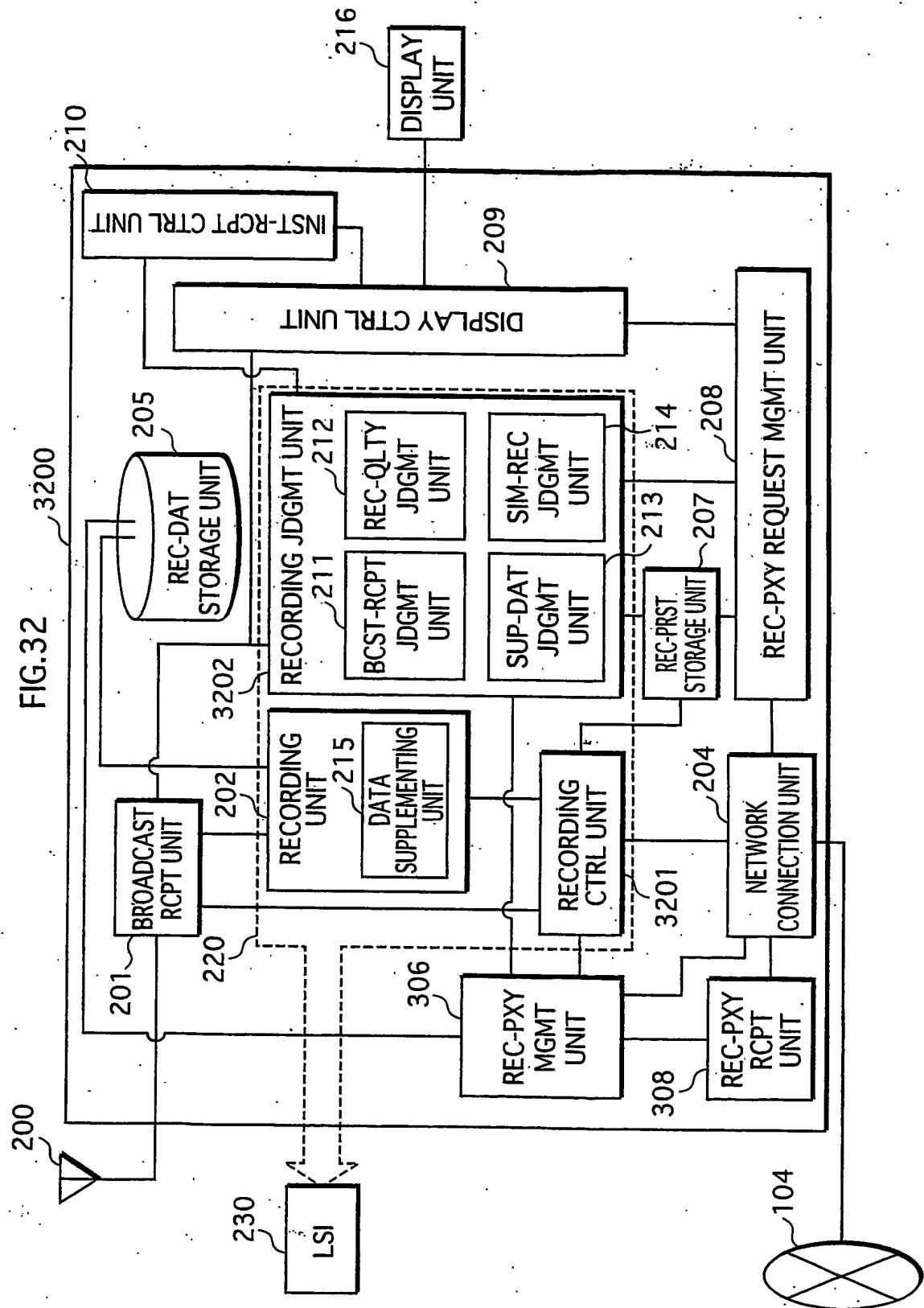


FIG.33

